DjangoDemo Developer Guide

Prerequisites

- Python 3.5, 3.6 or 3.7

Getting started

- Create and activate virtual environment, for example:
    - `python -m venv djangoDemoVenv`
    - `cd djangoDemoVenv/Scripts`
    - `activate`
- Navigate to DjangoDemo project root
- Install project dependencies:
    - `pip install -r requirements.txt`

Running

- Apply database migrations to database:
    - `python manage.py migrate`
- Create super user:
    - `python manage.py createsuperuser`
- Run:
    - `python manage.py runserver`

Project directories and files

- o **apps** - Django apps
  - o *main* - Main and only Django app
  - o *main/middleware* - Custom middleware-s
  - o *main/migrations* - Database migrations
  - o *main/templatetags* – Custom template tags
  - o *main/admin*.py - Admin declarations
  - o *main/forms.py* – Forms declarations
  - o main/models.py – Database models
  - o main/tests.py – Tests
  - o main/tokens.py – Tokens
  - o main/urls.py – Mapping of various URL-s to views
  - o main/views.py – Views
  - o main/views_errors.py – Error views (404, 500)
- o **documentation** - Project documentation
- o **licenses** - Licenses
- o **media** - Django media (like users photos)
- o **settings** - Project settings
  - o *components/base.py* – Main settings file
  - o *components/database.py* – Database settings file
  - o *components/admin.py* – Admin interface settings file
  - o *components/email.py* – Email settings file
  - o *components/misc.py* – Miscellaneous settings file
  - o *components/local_settings.py* – Optional settings file that overrides some of above settings
- o **static** - Project static files (CSS, JavaScript, images etc.)

- **templates** - Project HTML files
- **.gitignore** - List of files that git VCS should not include as part of a repository
- **manage.py** - Django specific file. Tool for executing many Django-specific tasks (starting a new app within a project, running the development server, running your tests etc.)
- **requirements.txt** - List of project dependencies